

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065238.D
 Acq On : 19 Feb 2020 14:55
 Operator : VA/SY
 Sample : L1526-02
 Misc : 7.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

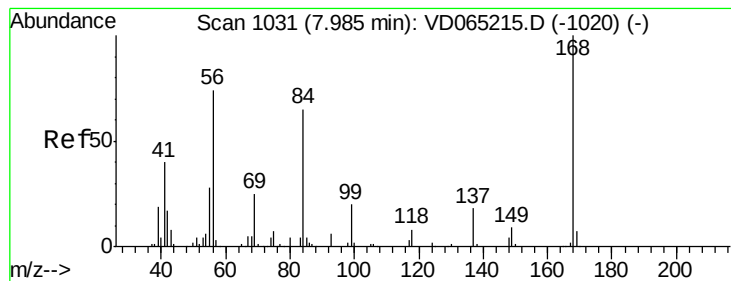
Quant Time: Feb 20 03:41:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	523217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	861976	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	743585	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240622	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	261249	55.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.00%	
35) Dibromofluoromethane	7.92	113	278468	52.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.96%	
50) Toluene-d8	10.34	98	1035119	51.52	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.64	95	262174	41.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	82.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.67	56	59	Below Cal	#	1
16) Acetone	4.17	43	3093	2.688	ug/l #	69
20) Methylene Chloride	4.96	84	8430	Below Cal	#	82
31) Cyclohexane	7.98	56	11364	1.228	ug/l #	31
36) 1,1-Dichloropropene	7.98	75	39017	4.652	ug/l #	49
38) Carbon Tetrachloride	7.98	117	50192	5.879	ug/l #	15
60) Dibromochloromethane	10.87	129	6476	1.187	ug/l #	11
64) Tetrachloroethene	10.88	164	8185	1.552	ug/l #	70
76) 1,2,3-Trichloropropane	12.64	75	132278	64.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	132278	139.508	ug/l #	11

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

Instrument :

MSVOA_D

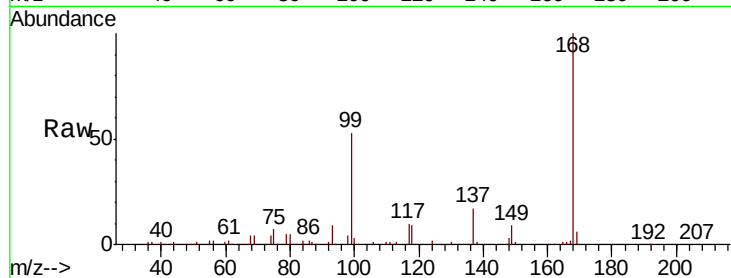
ClientSampled :

Tot Ion:168 Resp: 523217

Ion Ratio Lower Upper

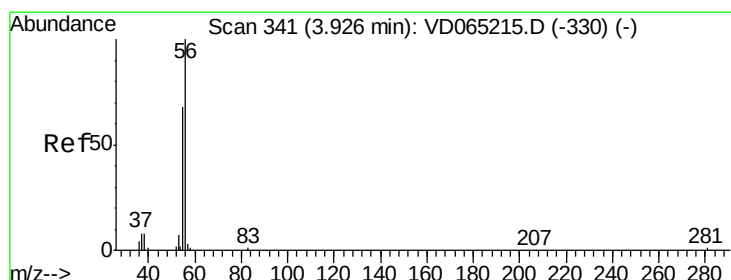
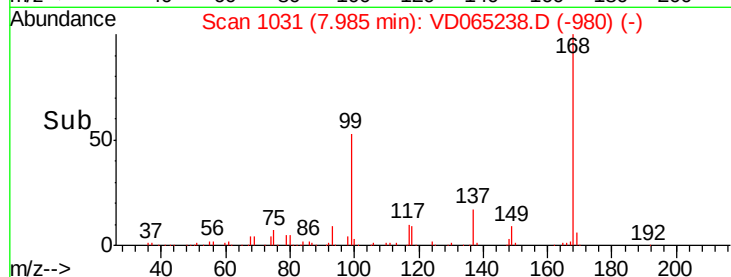
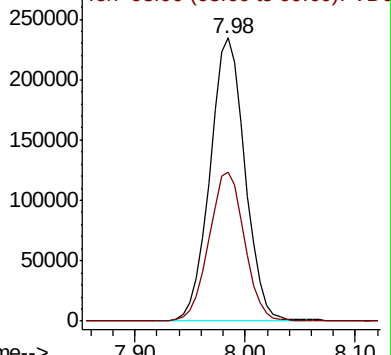
168 100

99 52.8 41.4 62.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#13

Acrolein

Concen: Below Cal

RT: 3.67 min Scan# 298

Delta R.T. -0.25 min

Lab File: VD065238.D

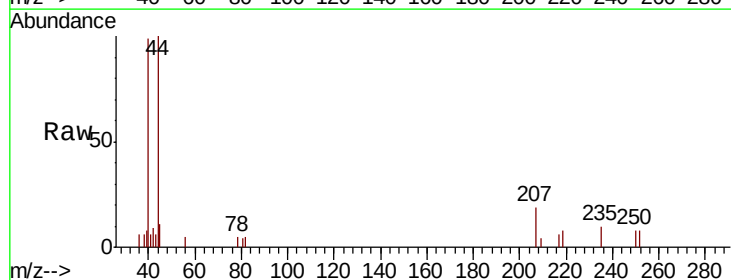
Acq: 19 Feb 2020 14:55

Tgt Ion: 56 Resp: 59

Ion Ratio Lower Upper

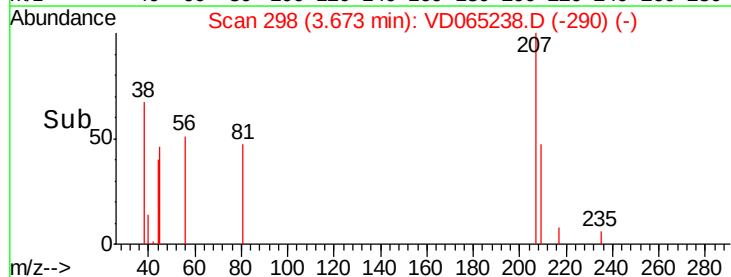
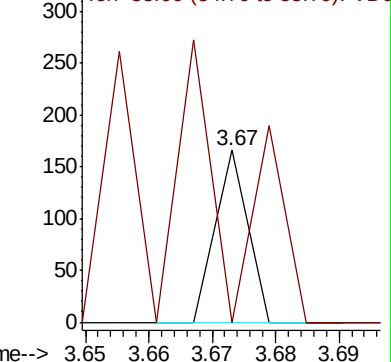
56 100

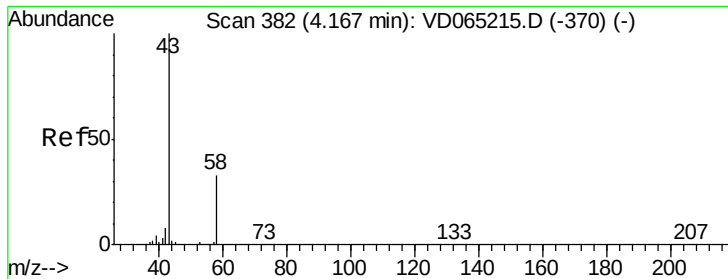
55 155.9 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 2.688 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

Instrument :

MSVOA_D

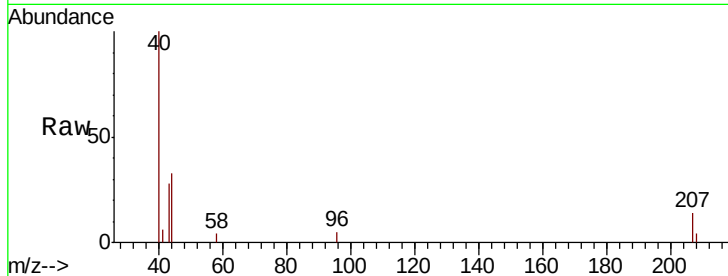
ClientSampleId :

Tot Ion: 43 Resp: 3093

Ion Ratio Lower Upper

43 100

58 15.0 26.2 39.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

1200

1000

800

600

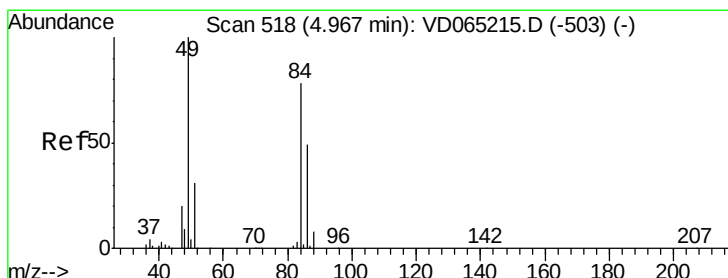
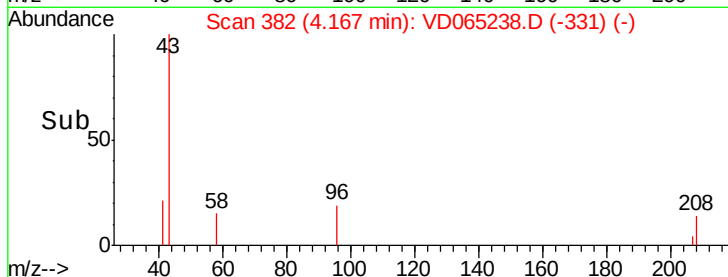
400

200

0

4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. -0.01 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

Tgt Ion: 84 Resp: 8430

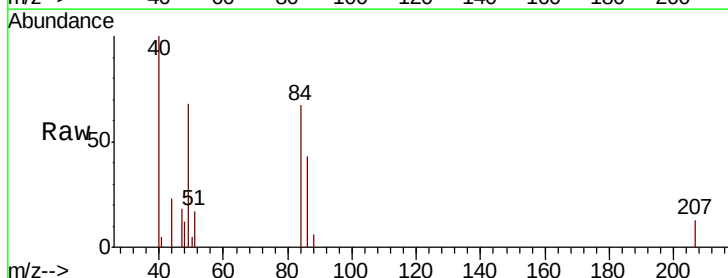
Ion Ratio Lower Upper

84 100

49 100.5 103.1 154.7#

51 24.9 31.7 47.5#

86 63.2 50.9 76.3



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

5000

4000

3000

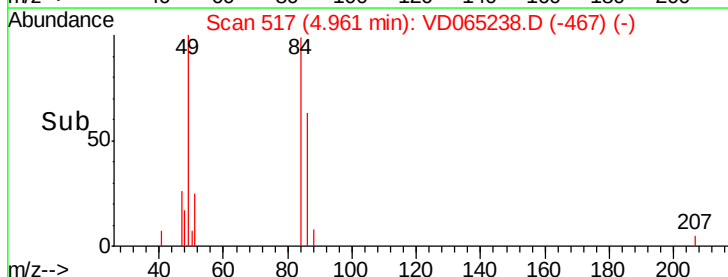
2000

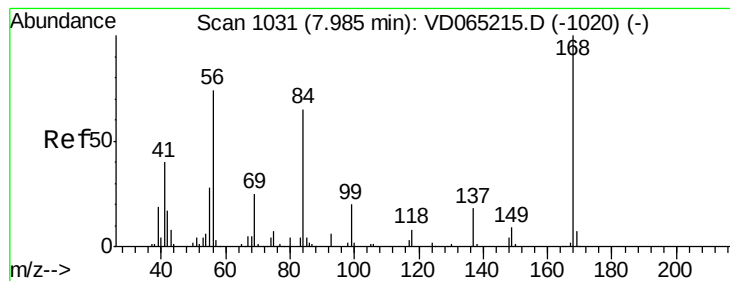
1000

0

4.85 4.90 4.95 5.00 5.05

Time-->





#31

Cyclohexane

Concen: 1.228 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

Instrument :
MSVOA_D
ClientSampled :

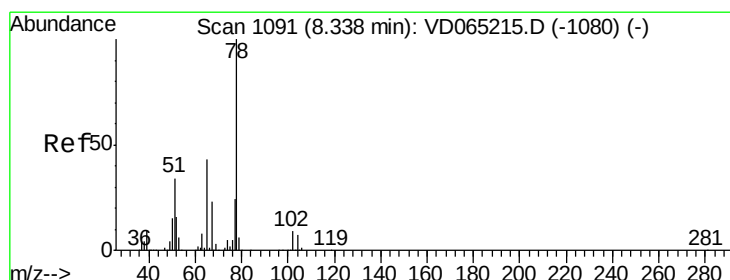
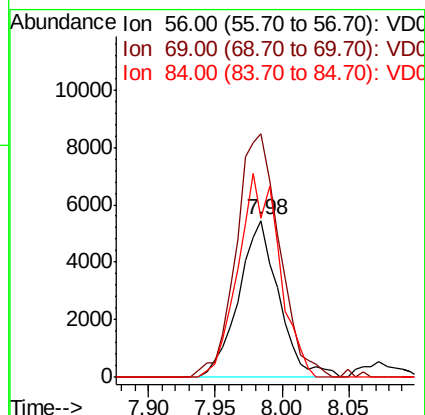
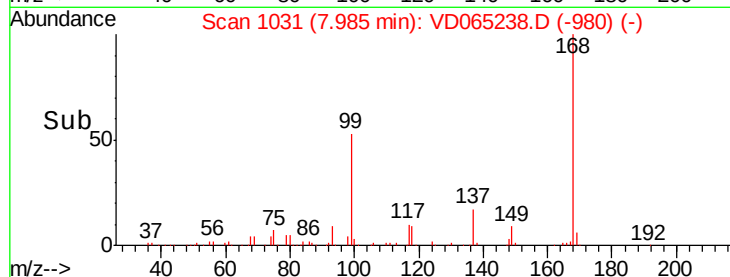
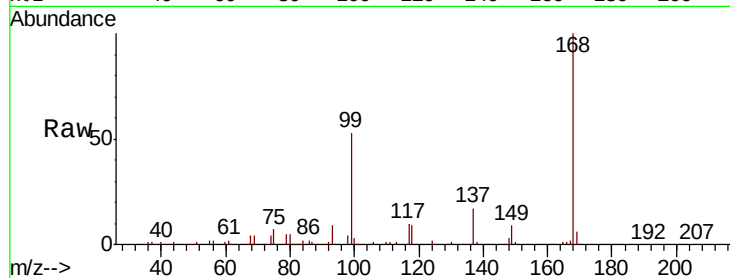
Tot Ion: 56 Resp: 11364

Ion Ratio Lower Upper

56 100

69 155.5 27.4 41.0#

84 101.8 71.1 106.7



#33

1,2-Dichloroethane-d4

Concen: 55.503 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065238.D

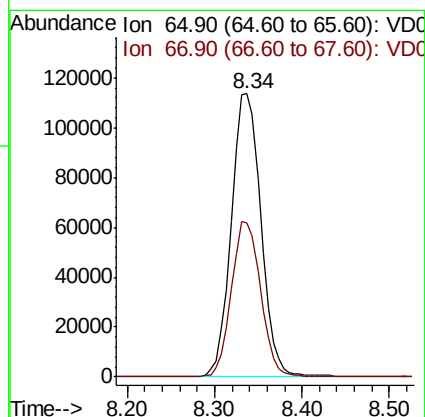
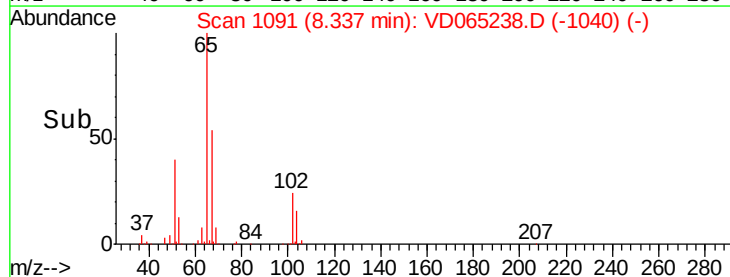
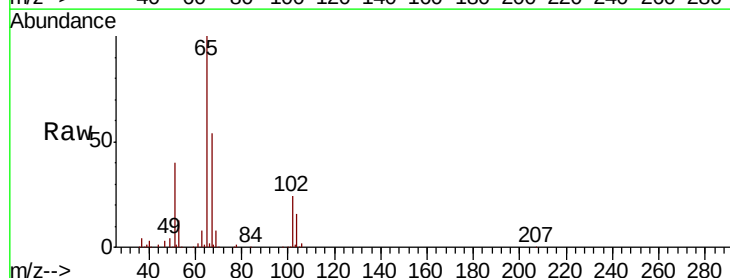
Acq: 19 Feb 2020 14:55

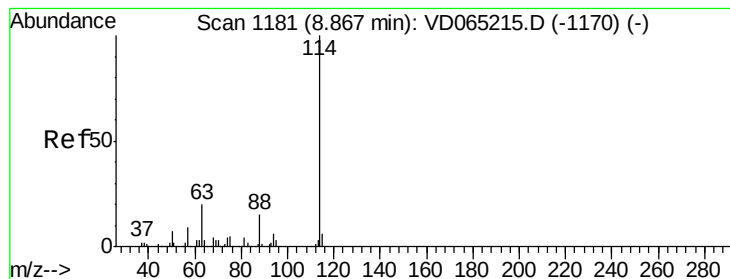
Tgt Ion: 65 Resp: 261249

Ion Ratio Lower Upper

65 100

67 54.1 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

Instrument :

MSVOA_D

ClientSampled :

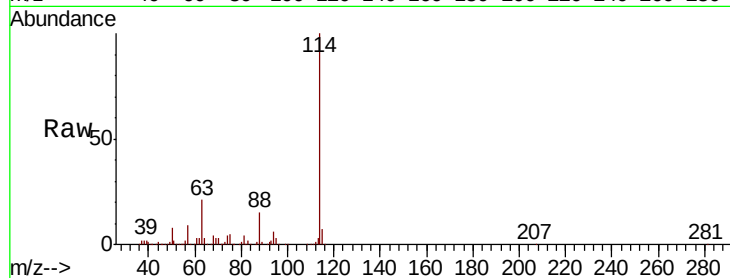
Tot Ion:114 Resp: 861976

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.4

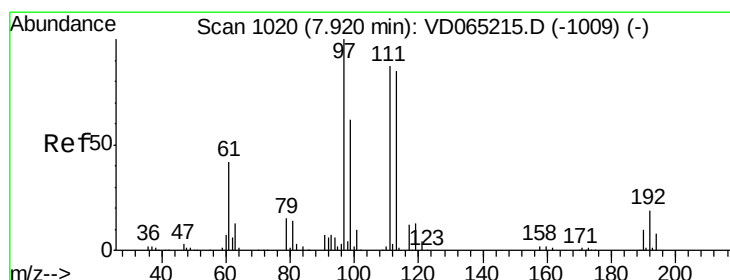
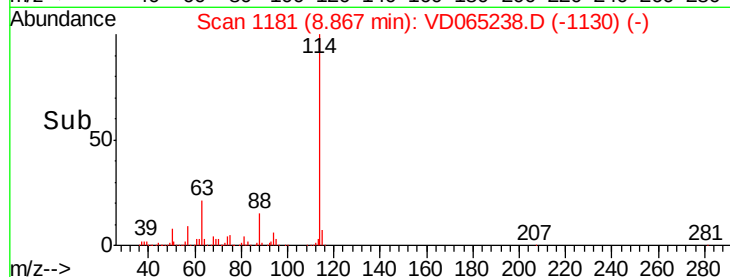
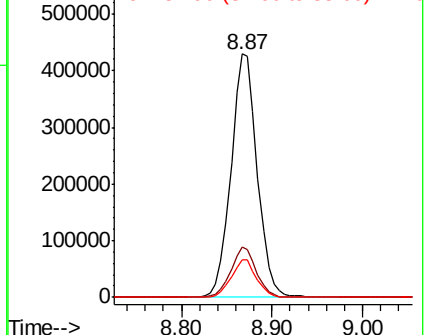
88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.983 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

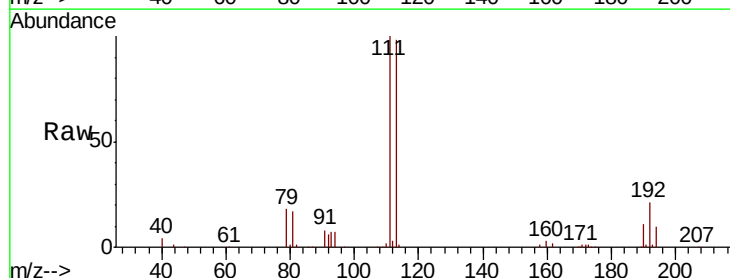
Tgt Ion:113 Resp: 278468

Ion Ratio Lower Upper

113 100

111 101.9 82.9 124.3

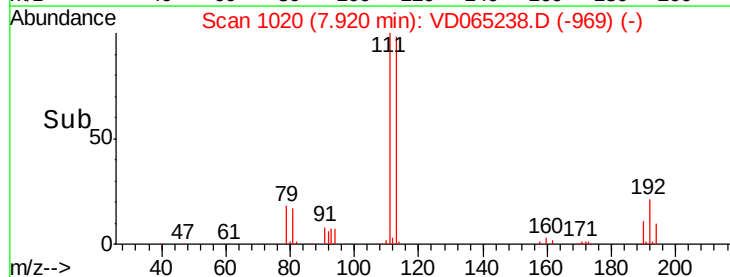
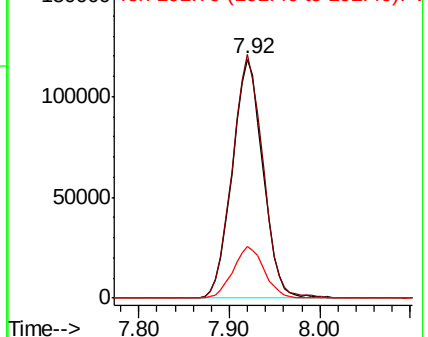
192 21.9 17.3 25.9

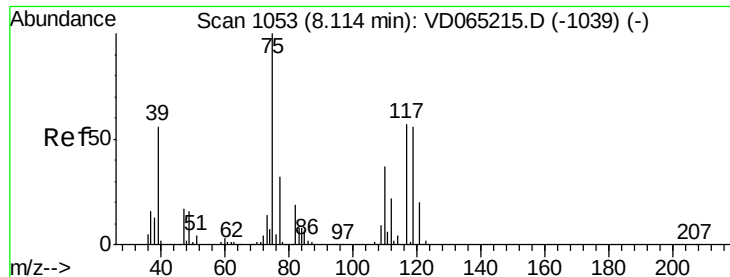


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

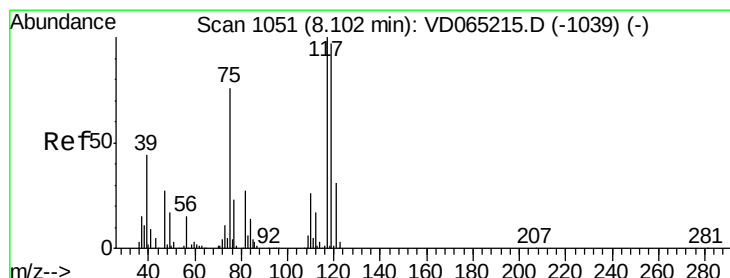
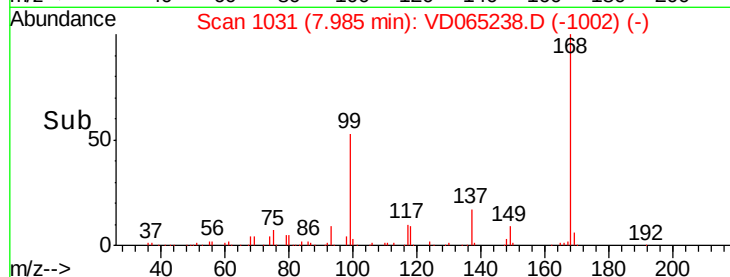
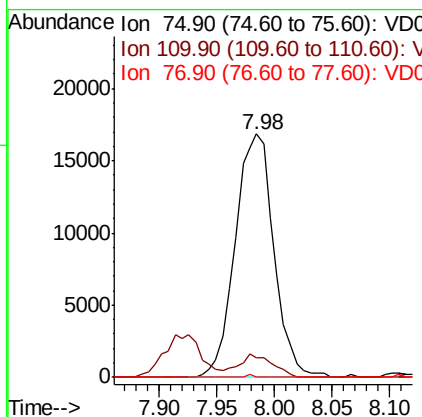
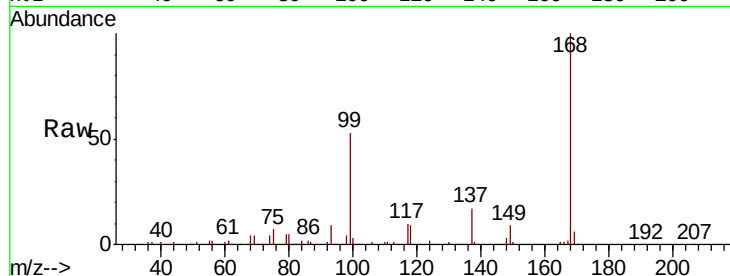




#36
 1,1-Dichloropropene
 Concen: 4.652 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD065238.D
 Acq: 19 Feb 2020 14:55

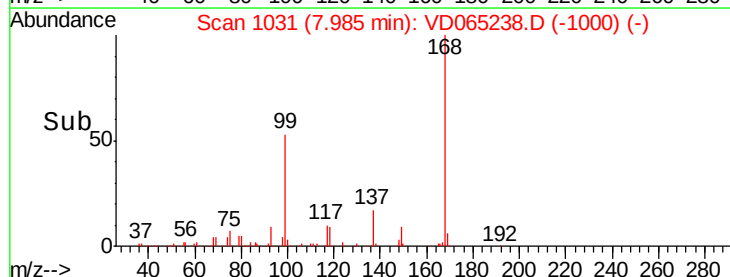
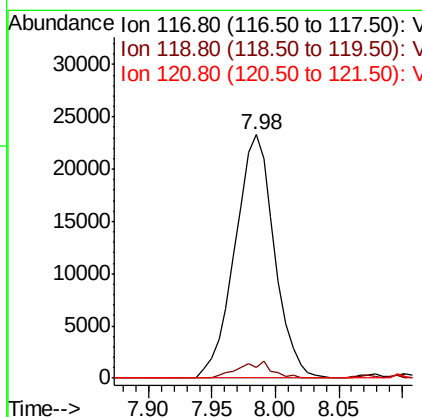
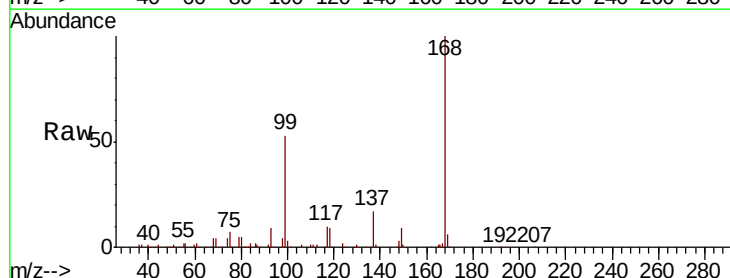
Instrument :
 MSVOA_D
 ClientSampled :

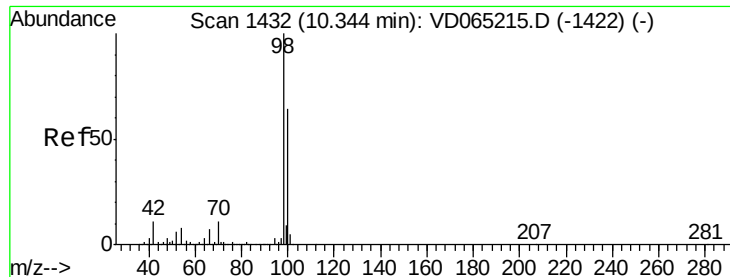
Tot Ion	75	Resp	39017
Ion Ratio	100	Lower	Upper
75	100		
110	8.5	17.9	53.7#
77	0.2	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 5.879 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD065238.D
 Acq: 19 Feb 2020 14:55

Tgt Ion	117	Resp	50192
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.5	77.6	116.4#
121	0.0	24.8	37.2#

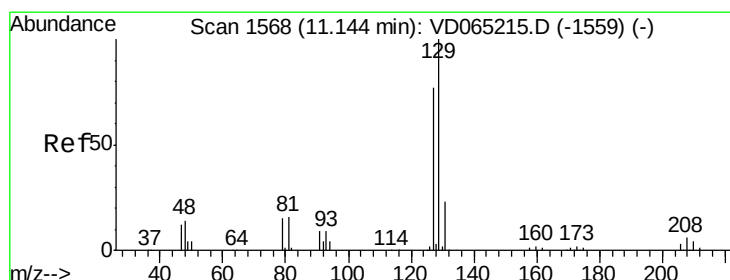
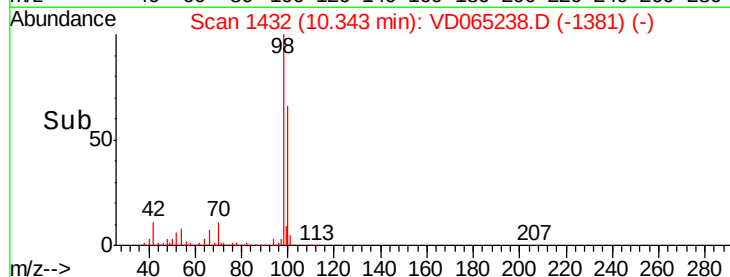
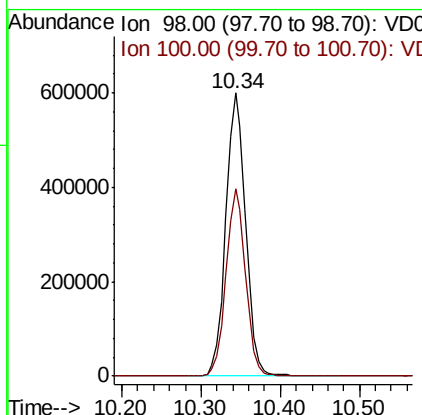
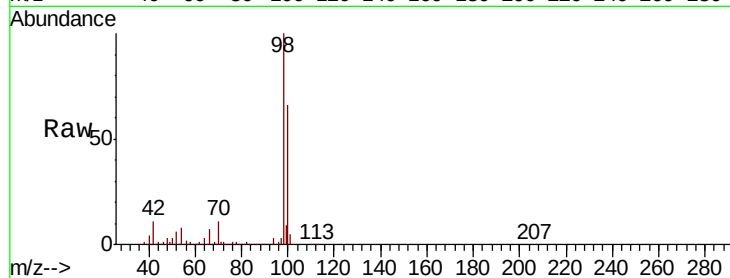




#50
Toluene-d8
Concen: 51.518 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065238.D
Acq: 19 Feb 2020 14:55

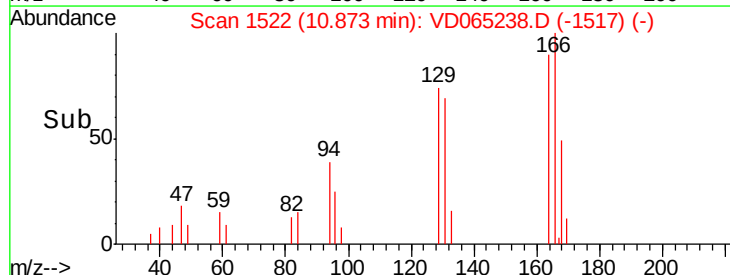
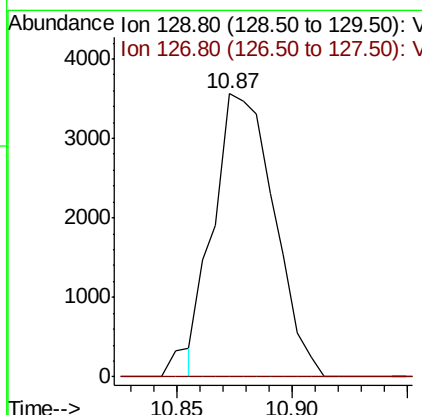
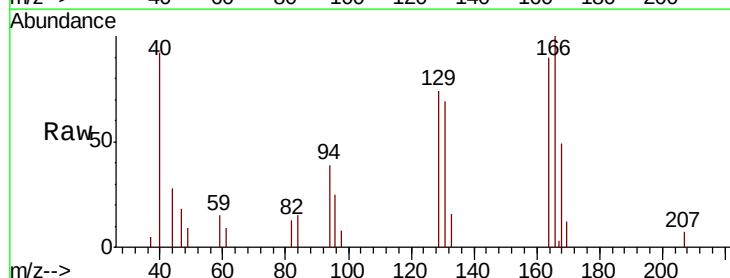
Instrument :
MSVOA_D
ClientSampleId :

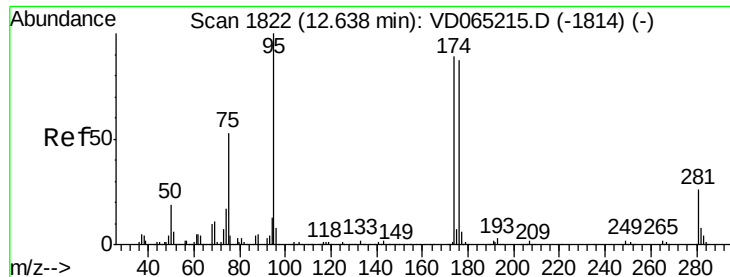
Tot Ion: 98 Resp: 1035119
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#60
Dibromochloromethane
Concen: 1.187 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.27 min
Lab File: VD065238.D
Acq: 19 Feb 2020 14:55

Tgt Ion: 129 Resp: 6476
Ion Ratio Lower Upper
129 100
127 0.0 38.7 116.1#

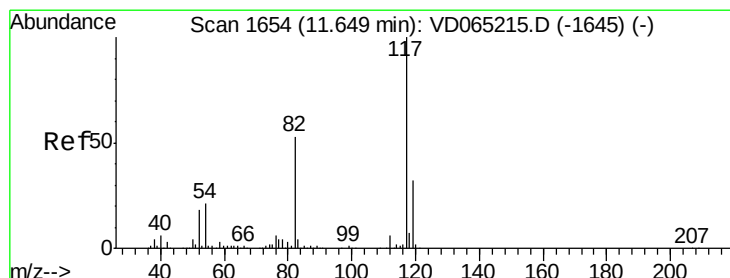
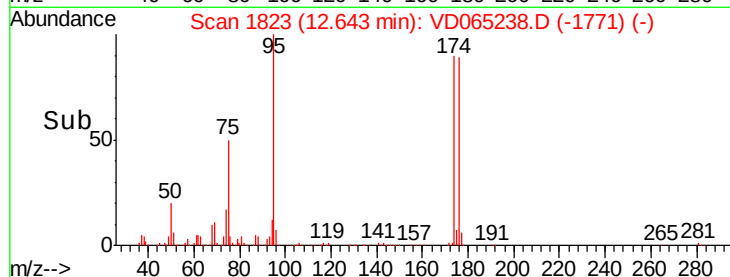
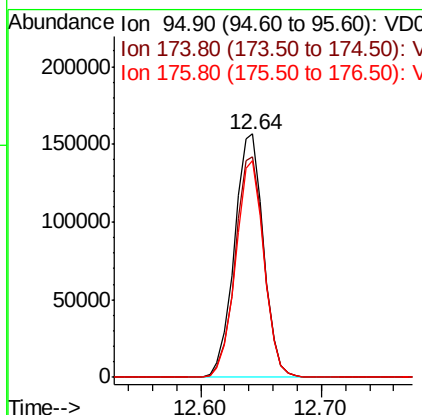
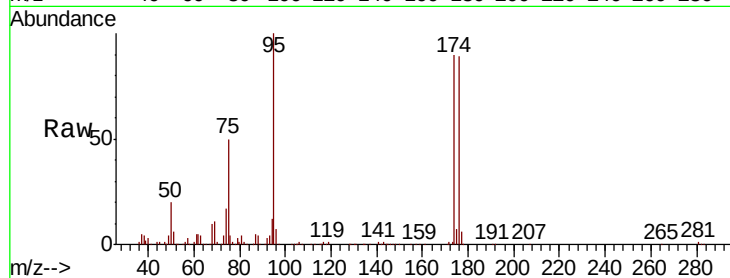




#62
4-Bromofluorobenzene
Concen: 41.189 ug/l
RT: 12.64 min Scan# 1823
Delta R.T. 0.01 min
Lab File: VD065238.D
Acq: 19 Feb 2020 14:55

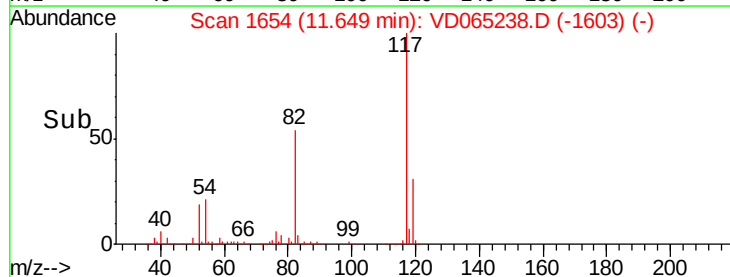
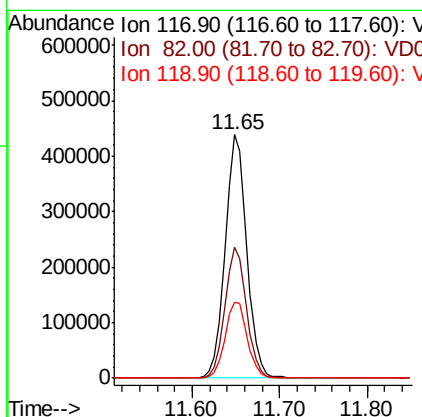
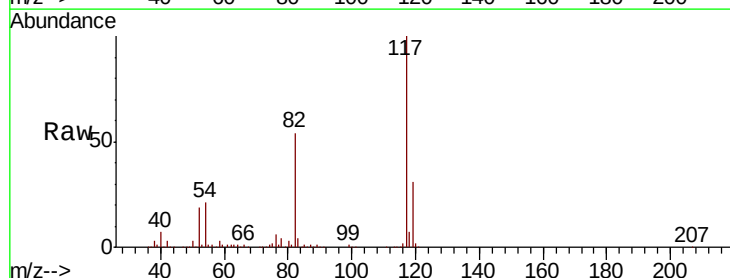
Instrument :
MSVOA_D
ClientSampleId :

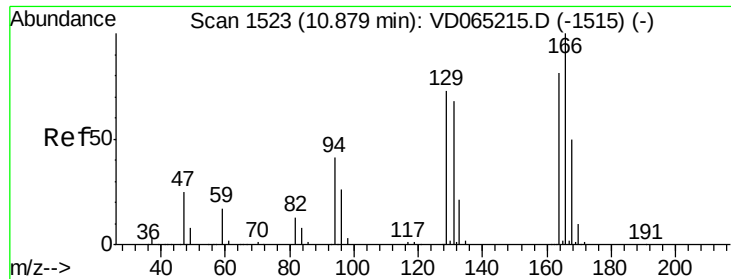
Tot Ion: 95 Resp: 262174
Ion Ratio Lower Upper
95 100
174 90.3 0.0 178.0
176 87.0 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065238.D
Acq: 19 Feb 2020 14:55

Tgt Ion: 117 Resp: 743585
Ion Ratio Lower Upper
117 100
82 53.7 42.7 64.1
119 30.9 25.5 38.3





#64

Tetrachloroethene

Concen: 1.552 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion:164 Resp: 8185

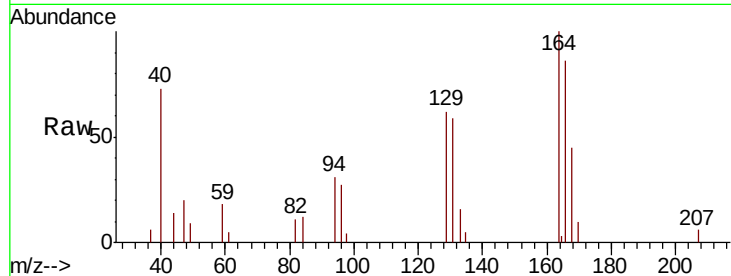
Ion Ratio Lower Upper

164 100

166 86.1 98.4 147.6#

129 62.4 71.6 107.4#

131 58.7 67.3 100.9#

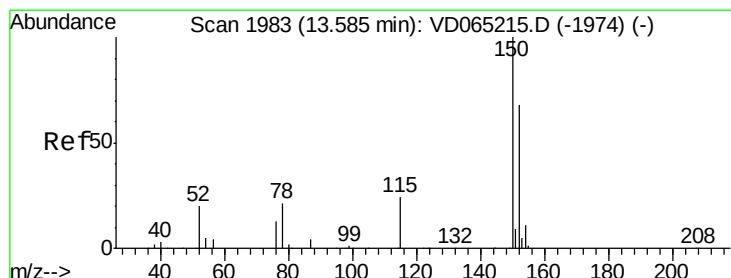
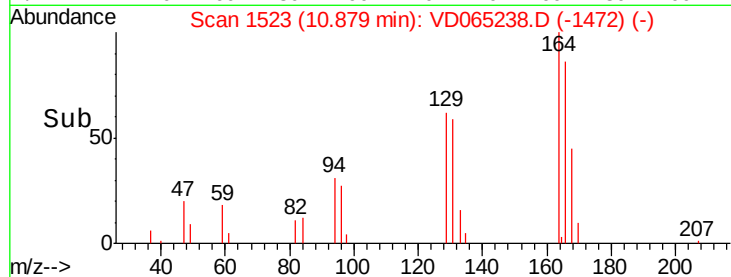
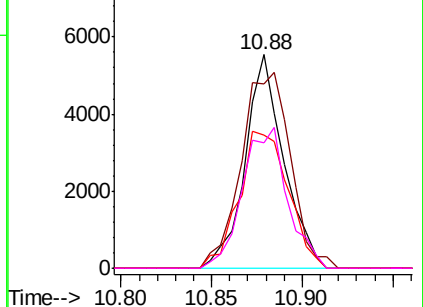


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065238.D

Acq: 19 Feb 2020 14:55

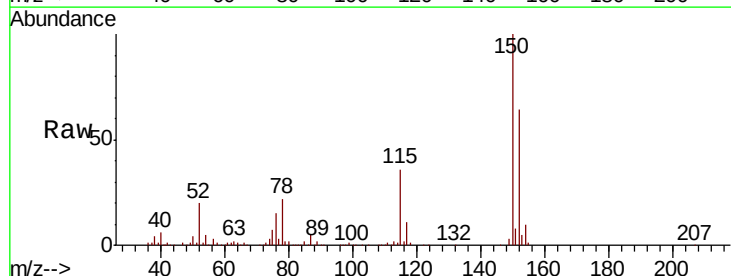
Tgt Ion:152 Resp: 240622

Ion Ratio Lower Upper

152 100

115 55.7 27.6 82.8

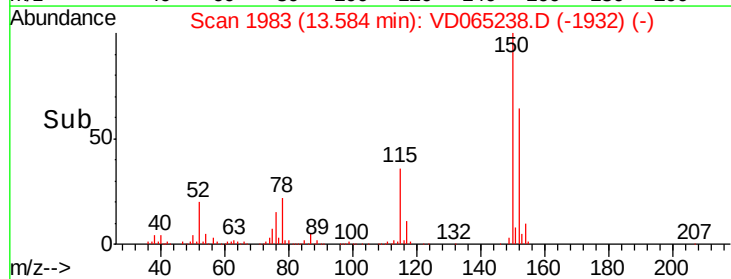
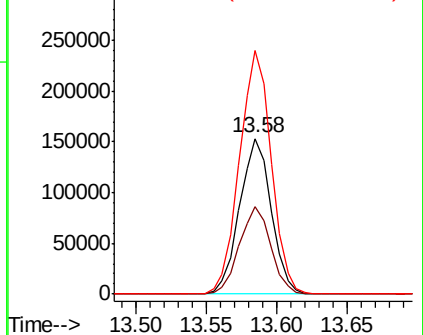
150 157.4 0.0 347.4

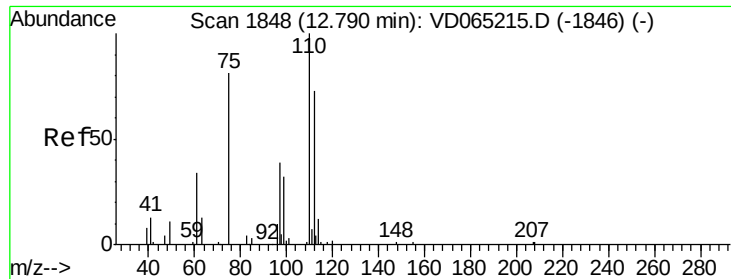


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

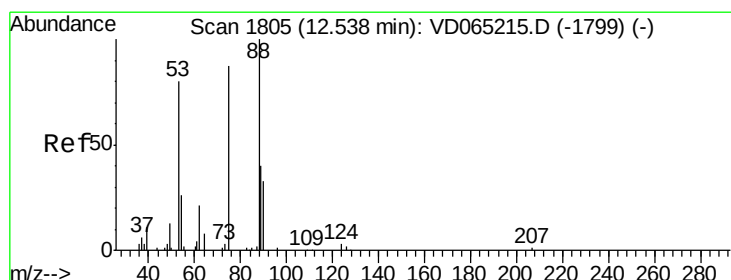
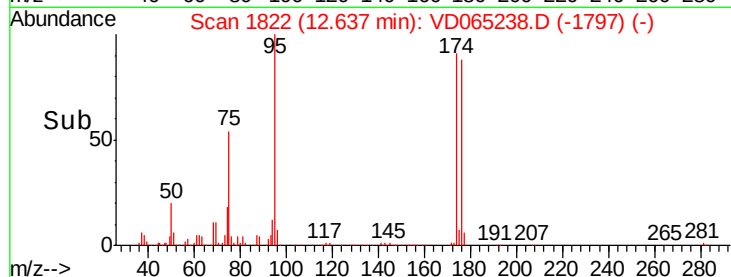
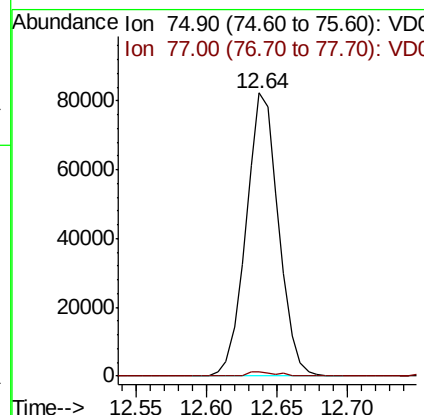
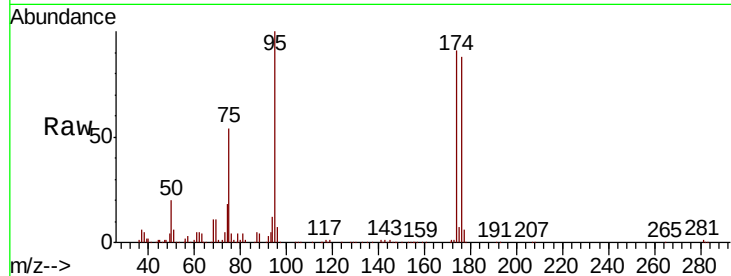




#76
 1,2,3-Trichloropropane
 Concen: 64.612 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD065238.D
 Acq: 19 Feb 2020 14:55

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 132278
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 139.508 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.10 min
 Lab File: VD065238.D
 Acq: 19 Feb 2020 14:55

Tgt Ion: 75 Resp: 132278
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.6 116.4#
 89 0.1 37.2 55.8#

